

MA1.6s

Light weight, high performance power amplifier

features

- ▶ Switch mode power supply
- ▶ Superior sonic performance
- ▶ Light weight
- ▶ Advanced protection circuits
- ▶ Efficient copper cooling system
- ▶ Minimum load switches (MLS™)



applications

- ▶ Live sound reinforcement
- ▶ Fixed installations

The MA1.6s is one of a range of power amplifiers that have been designed to combine reliability and high power with sonic excellence. Utilising an advanced switch mode power supply, the amplifier is characterised by a very high power-to-weight ratio in a lightweight, 2U package. The innovative technology at the heart of the MA1.6s enables it to set new standards in terms of sonic accuracy, impact and clarity.

technical specifications

MAX OUTPUT POWER

EIA AT 1 kHz AND 1% THD

MLS in 0dB position

8 PER CHANNEL	430 W
4 PER CHANNEL	840 W
2 PER CHANNEL	1200 W
8 BRIDGED	1680 W
4 BRIDGED	2400 W

MAX OUTPUT VOLTAGE

8Ω LOAD	59 Vrms
PEAK VOLTAGE, NO LOAD	85 V

DISTORTION

THD 20Hz – 20kHz AND 1 W TO FULL POWER	0.07%
THD AT 1kHz AND -1dB UNDER CLIP	0.01%
DIM AT -3dB UNDER CLIP	0.008%

HUM AND NOISE

HUM AND NOISE	<-105dB
CHANNEL SEPARATION @ 10kHz	70dB

OUTPUT IMPEDANCE

OUTPUT IMPEDANCE	30 mΩ
SLEW RATE	60 V/μs

INPUTS

GAIN SELECTABLE (dB)	20, 23, 26, 29, 32, 35, 38, 41
IMPEDANCE	10 kΩ
COMMON MODE REJECTION	50dB

FRONT PANEL

GAIN CONTROLS	31 position detent
INDICATORS: PROTECT	Yellow LED
INDICATORS: CLIP	Red LED
INDICATORS: SIGNAL PRESENT (-40dB)	Green LED

REAR PANEL

INPUT CONNECTORS	Neutrik Combo
LINK CONNECTOR	XLR-male
CLIP LIMITERS	On/off each channel
MLS SWITCH	0 or -3dB
LINK-SWITCH	CH. A-B

POWER

OPERATION VOLTAGE	130-270V
SOFT START	Yes
PEAK INRUSH CURRENT	5 A
FULL OUTPUT POWER	180-260 V
MIN START VOLTAGE	175 V
115V OPTION	Yes

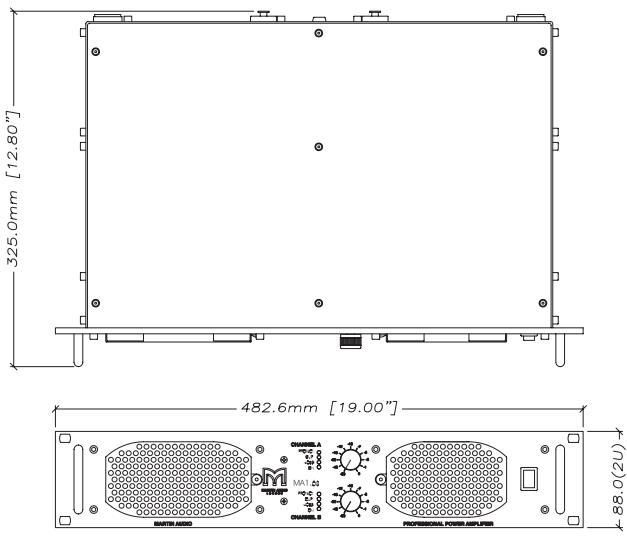
CURRENT DRAW AT 4Ω/230V

QUIESCENT POWER (NO LOAD)	1 A rms
1/8 OF FULL POWER (-9dB)	6 A rms
1/3 OF FULL POWER (-5dB)	9 A rms
AT FULL POWER (0dB) @ 1kHz 1%THD	16 A rms

DIMENSIONS

WIDTH	483mm (19ins)
HEIGHT	88mm (3.5ins)
DEPTH (incl. handles)	325mm (12.8ins)
WEIGHT	8kg (18lbs)

overall dimensions



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